

Hamster monoclonal anti mouse CD28

(Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0011
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	mouse T-cell lymphoma
Ig Type:	Syrian Hamster IgG
Clone	AP-MAB0818
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	See below

Description: CD28 is a 44 kD glycoprotein, also known as Tp44 or T44. It is a member of the Ig superfamily, expressed on thymocytes, most peripheral T cells, and NK cells. In association with CD80 (B7-1) and CD86 (B7-2), CD28 acts as the second signal for T and NK cell activation and proliferation.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a Hamster immunized with mouse T-cell lymphoma).

Formulation: The IgG fraction of **culture supernatant** was purified by Protein A/G affinity chromatography and lyophilized from a 0.2 μm filtered solution in phosphate-buffered saline (PBS, **Azide Free**).

Reconstitution: Reconstitute the antibody with sterile PBS and the reconstituted antibody can be aliquoted and stored frozen at < -20 for at least for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C.

Specificity: The antibody was selected for its ability to detect Thymocytes, CD4+, CD8+ peripheral T cells, NK cells

***Endotoxin Level:** Extremely low level of LPS (< 0.002EU/μg IgG)

Application(s):

1. **Costimulation of T and NK cells (in vivo)**
2. **Blocking of allogeneic mixed leukocyte response and inhibition of MHC-unrestricted CTL cytotoxicity**
3. **Induction of thymocyte differentiation**

* The antibody is produced by in vitro culture and for Research Use Only.